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OR is higher of those smoking deeper than those smoke superficially or non-smoking (Table 3). OR is higher among those start smoking earlier (Table 4).

TABLE 2-LUNG CANCER RISK AND NO-OP CIGARETTES AND YEAR OF SMOKING

				Degree	IN-
HALA	TIO	К (У	!-H	METHOD):	

No of ciga- rettes/day	OR 95	≸ CI of OR
0-	1	
1-	1.81	1.40-2.33
11-	3-27	2 .28-4. 68
21- Year of smoking O	5•90 1	3.79-9.18
1=	1.73	1.38-2.18
20-	3.00	2.17-4.16
40-	5.20	3-49-7-75

	No	Occasional	Эвер
Case	54	37	66
Control	98	33	26
OR	1	2.03	4.61
B-0.0	. 		

TABLE 4. OR AND AGE ONSET OF SMOKING (M-H: METHOD):

Age	Group	Non-smoking	21	16-20	15	P
<44	Case Control	8 12	1: 0	3 1	00	> 0.05
45	-Case Control	16 29	8 9	1.7 1.4	1:4. 3:	< 0.01
55	-Case Control	24 35:	1 ₁ 3 18	1.3 6	15	<0.01
65	-Case Control	6 17	6 4	6	7	<0.01
	OR	1	1.	59 3-10	6.	3 <0.01

ing husband is as table 5. The OR is 2.16 (P<0.05)

4. Female lung cancer and passive smoking.

We had calculated the OR of passive smoking from husband father mother and colleagues, only that from husband is quite significant.

The non-smoking female cases and controls with Smoking or non-smok-

TABLE 5. OR OF SMOKING HUSBAND TO MOM-SMOKING WIFE

	Husband		
	Smoker	Non-smoker	
Ca.50	34	20	
Control	4.1	52	

OR=2.16.95% CI=1.03-4.53. P<0.05 Exposure rate of cases

OR of female lung concer in- # creases with the number of cigar- * ettes smoked per day by her hus-

band and the duration of exposure to her husband's smoking(Table 6). (5.0R of either active or passive and combination of active and passive smoking is as table 7.

TABLE: 6.0R OF FEMALE MING TANTER OF SMOKING HURBAND

TABLE 7.CR. OF ACCIVE AND PASSIVE SMOKING FROM HUSBAND

SMERONS HIGHWAY HIGHWAY	US ò	STOI OF OR
017ARTTTT TRR DAY 0 1- 10- 20-	1 1.40 1.97 2.76	1.12-1.76 1.42-2.72 1.85-4.10
YRAPS CE RYPOTERR 0 1- 20- 40-	1 1.49 2.23 3.32	1.15-1.94 1.54-3.22 2.11-5.22

· .		ACTIVE SMONING(WIVES)		
		NC.	YES	
HT'SBAND	no	1:.0	2.61(1.4-4.6)	
SMOKING	YES	11.86 (1.04- 3.5)	4-90(1.8-9.5)	

If a smoking woman with smoking husband, the OR of lung cancer is 4.9, exposure rate is 61% (83/103).

A non-smoking woman with Smoking husband, the CR of lung cancer is 1.86, exposure rate is 63% (34/54).

According to 105 smoking female lung cancer cases about 78.23(103 x .7595), are due to smoking while the 54 non-smoking female lung cancer cases about 18.95(54 x .351) are due to passive smoking from his band.

That is $\frac{78.23+18.95}{103+54}=61.9\%$ of female lung cancer in Tienjin may attribute to active smoking and passive smoking from their husbands.

6. OR of female lung cancer due to other causes.

Occupational exposure: Textile workers, workers expose to asbutos, benzene.etc. CR=3.1.95% CI=1.58-6.02.

OR of history of lung diseases (include pulmonary TBC.chronic bronchitis, pulmonary infection, etc.) is 2.64. Adjusted with conditional regression model. OR=2.12.95%CI of OR=1.23-3.63.

OR of lung cancer and cooking with coal is shown in table 8:

7. Joint Effect of the Risk Factors.

Multifactor analysis by conditional regression method demonstrate that the combination of active smoking.passive smoking from husbands. occupational exposure.history of lung diseases and 4×10^4 hours cooking with coal makes the OR being about 50 in comparison with those

without the above risk factors and cooking with coal less than $3X10^4$ hours. 95% CI of OR=13.7-185.3.

THELE 8. OR OF LUNG CANCER AND COOKING WITH COAL

DURATION OF COOKING(hrs)	OR	95% CI of OR
1x10 ⁴ (1:5 hr/day,20 yrs):	1.54	1.20-1.96
2x104(1:-5 hr/dey-40 yrs):	2.36	1.66-3.34
3x10 ⁴ (2 hrs/day.42 yrs)	3.62	2.36-5.55
4X10 ⁴ (3 hrs/day,37 yrs)	5 • 56	3.40-9.10

CONCLUSION

pt. Both active smoking and passive smoking from her husband are the most important risk factors of female lung cancer in Tianjin. About 60% of female lung cancer in Tianjin may be attributed to Smoking.

2. There is joint effect of smoking with occupational exposure his- fory of lung diseases and cooking with coal.

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ON THE RELACIONSHIP PETMENT SHOKENS AND TEXALE LUNG CANCER.

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There is still controversy about the relationship between cigarette smoking and female lung cancer. The mortality rate of female lung cancer in Tianjin is the highest in Thina(28.3/105). The female smoking rate in Tianjin is also the highest in Thing-Therefore we had conducted a case-control study of female lung cancer to illustrate it.

MATERIAL AND METHODS

We conducted a 1:1 pair matched case-control study.

1.Cases: 157 female lung cancer cases all resident in Tianjin mone than 10 years. Squamous cell carcinoma 35(22.3%); Small cell carcinoma 31(19.7%); Adenocarcinoma 58(36.9%); Large cell carcinoma 4(2.5%); Cell tyre unknown 29(18.5%). Cases were diagnosed:133(64.7%) histologically or cytologically:17(10.8%) by CT:7(4.5%) clinically or by Y-ray.

2.Controls:157, matched with sex, race, age (-2 years) and marital status.

PESTLIS

1. The case group is a quite representative of the Tianjin female lung cancer. The age group structure and distribution of residents of the lung cancer group is quite similar with those of 1983 Tianjin female lung cancer. Smoking rate of the control group (40.8%) is quite similar with that of the Tianjin adult female population (39.5% &585)+

2. The age, education, occupation, race, marital status, birth place, resident place of the case and control groups have no significant difference(P>0.05).

3. Pemale lung cancer and active Smoking FOR of active smoking is 3.05. PARS is 57.4% (Table 1).

TABLE 1.OR OF SMOKING

	Controls		
	Smoker	Monsmoker	
Smoker	45	58	
Cases Non- Smoker	19	35	

P<0.001

Exposure rate of cases:

There is quite obvious dose-effect relationship between lung cancer Adjusted OR=2.6,95% CI=1.4-4.6, risk and number of cigarettes smoked per day and year of amoking(Table 2).

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